

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



533 243

(43) International Publication Date
13 May 2004 (13.05.2004)

PCT

(10) International Publication Number
WO 2004/040069 A1

(51) International Patent Classification⁷:
27/14, E02B 3/06, A01K 63/00

E02D 5/56,

(81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/NL2003/000744

(22) International Filing Date: 30 October 2003 (30.10.2003)

(25) Filing Language:

Dutch

(26) Publication Language:

English

(30) Priority Data:

1021783

30 October 2002 (30.10.2002) NL

(71) Applicant (*for all designated States except US*): **4D OFFICE** [NL/NL]; Deventerweg 75, NL-7245 PL Laren (NL).

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **KRAAIJKAMP, Willem, Herman** [NL/NL]; Deventerweg 75, NL-7245 PL Laren (NL).

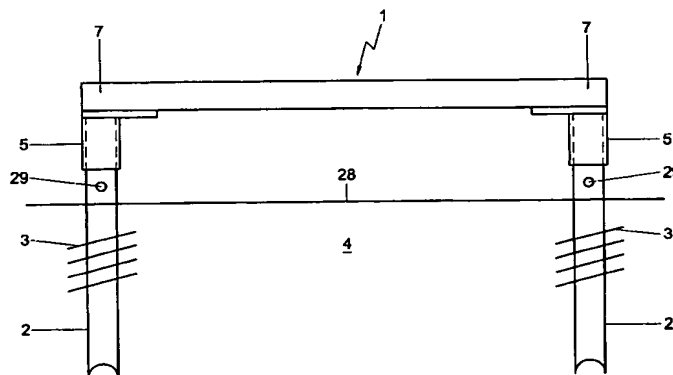
Published:

— with international search report

(74) Agent: **PRINS, A., W.**; Nieuwe Parklaan 97, NL-2587 BN Den Haag (NL).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MODULAR CONSTRUCTION SYSTEM



(57) Abstract: A modular construction, in particular a pond construction or other garden construction, wherein the construction is supported in the subsoil, comprising at least two tubes (2), of which first, substantially hollow ends project into the subsoil, and wherein screw thread-shaped flanges (3) are provided on the tubes (2), which support the tubes in the subsoil. The construction further comprises at least two coupling pieces (5) which are, at least during construction, each axially freely pivotably supported on second ends of the respective tubes (2), and a girder (7) which is attached the coupling pieces (5).

WO 2004/040069 A1

INTERNATIONAL SEARCH REPORT

PCT/NL 03/00744

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E02D5/56 E02D27/14 E02B3/06 A01K63/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E02D E02B A01K E04H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | US 4 405 262 A (NAGASHIMA MASAYA) 20 September 1983 (1983-09-20) | 1,3,5-7, 14,15 |
| Y | column 1, line 6 - column 1, line 12 column 3, line 24 - column 3, line 68 column 4, line 49 - column 5, line 4 figures 1-10 | 8 |
| Y | GB 1 552 162 A (PARRY P J;PARRY R) 12 September 1979 (1979-09-12) page 2, line 25 - page 2, line 32 figure 1 | 8 |
| A | FR 2 028 116 A (BRODRICK ALAN) 9 October 1970 (1970-10-09) page 7, line 9 - page 8, line 4 page 8, line 22 - page 8, line 29 figures 17,8,11 | 2,16 |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *A* document member of the same patent family

Date of the actual completion of the international search

10 February 2004

Date of mailing of the international search report

17/02/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Hendrickx, X

INTERNATIONAL SEARCH REPORT

PCT7NL 03/00744

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | EP 0 926 304 A (WUELFING & HAUCK GMBH & CO KG) 30 June 1999 (1999-06-30) column 3, line 7 - column 3, line 55 figures 3-5 | 2,9,13 |
| A | GB 386 800 A (BRAITHWAITE AND COMPANY ENGINE; FRANCIS MAURICE DU PLAT TAYLOR) 26 January 1933 (1933-01-26) claim 1; figures 1-3,15,16 | 1 |

INTERNATIONAL SEARCH REPORT

PCT/NL 03/00744

| Patent document cited in search report | | Publication date | Patent family member(s) | | Publication date |
|---|---|---------------------|----------------------------|--------------|---------------------|
| US 4405262 | A | 20-09-1983 | JP | 1344183 C | 29-10-1986 |
| | | | JP | 56100906 A | 13-08-1981 |
| | | | JP | 61006202 B | 25-02-1986 |
| | | | CA | 1131457 A1 | 14-09-1982 |
| | | | DE | 3162708 D1 | 26-04-1984 |
| | | | EP | 0032132 A2 | 15-07-1981 |
| | | | GB | 2067621 A ,B | 30-07-1981 |
| | | | MY | 33785 A | 31-12-1985 |
| ----- | | | | | |
| GB 1552162 | A | 12-09-1979 | NONE | | |
| ----- | | | | | |
| FR 2028116 | A | 09-10-1970 | DE | 2000845 A1 | 16-07-1970 |
| | | | FR | 2028116 A5 | 09-10-1970 |
| | | | NL | 7000289 A | 14-07-1970 |
| ----- | | | | | |
| EP 0926304 | A | 30-06-1999 | DE | 29722836 U1 | 22-04-1999 |
| | | | AT | 239842 T | 15-05-2003 |
| | | | DE | 59808254 D1 | 12-06-2003 |
| | | | DK | 926304 T3 | 25-08-2003 |
| | | | EP | 0926304 A2 | 30-06-1999 |
| ----- | | | | | |
| GB 386800 | A | 26-01-1933 | NONE | | |
| ----- | | | | | |